- A method of identifying components of members of test species that deleteriously affect members of a target species, comprising the steps of:
 - (a) separating at least one member of a test species into a plurality of components;
- (b) exposing at least some of said separated components of said member(s) of the test species separately to members of the target species, wherein the target species is a symbiont of an adjoiner species; and
- (c) examining said exposures to determine for said identification whether members of the target species have been deleteriously affected by said exposures;

wherein steps (a), (b) and (c) are executed methodically and systematically with a large number of test species that are symbionts of the adjoiner species.

A method according to Claim , wherein step (a) is executed with such a large number of test species that are symbionts of the adjoiner species that the ratio of execution of step (a) when the test species are symbionts of the adjoiner species relative to execution of step (a) when the test species are not symbionts of the adjoiner species is significantly higher than said ratio of execution according to the prior art.



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- A method of identifying components of members of test species that deleteriously affect members of a target species, comprising the steps of:
 - (a) separating at least one member of a test species into a plurality of components;
- (b) exposing at least some of said separated components of said member(s) of the test species separately to members of the target species, wherein the target species is a symbiont of an adjoiner species; and
- (c) examining said exposures to determine for said identification whether members of the target species have been deleteriously affected by said exposures;

wherein step (a) is executed with such a large number of test species that are symbionts of the adjoiner species that the ratio of execution of step (a) when the test species are symbionts of the adjoiner species relative to execution of step (a) when the test species are not symbionts of the adjoiner species is significantly higher than said ratio of execution according to the prior art.

A method according to Claim Y or Y, wherein steps (b) and (c) are executed in such large numbers when the test species are symbionts of the adjoiner species that the ratio of execution of steps (b) and (c) when the test species are symbionts of the adjoiner species relative to execution of steps (b) and (c) when the test species are not symbionts of the adjoiner species is significantly higher than said ratio of execution according to the prior art.

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- A method of identifying components of members of test species that deleteriously affect members of a target species, comprising the steps of:
- (a) separating at least one member of each of a plurality of test species into a plurality of components;
- (b) exposing at least some of said separated components of said member(s) of the test species separately to members of the target species, wherein the target species is a symbiont of an adjoiner species; and
- (c) examining said exposures to determine for said identification whether members of the target species have been deleteriously affected by said exposures;

wherein steps (b) and (c) are executed in such large numbers when the test species are symbionts of the adjoiner species that the ratio of execution of steps (b) and (c) when the test species are symbionts of the adjoiner species relative to execution of steps (b) and (c) when the test species are not symbionts of the adjoiner species is significantly higher than said ratio of execution according to the prior art.

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- A method of identifying components of members of a test species that deleteriously affect members of a target species, comprising the steps of:
- (a) separating at least one member of the test species into a plurality of components,
- (b) exposing at least some of said separated components of said member(s) of the test species separately to members of the target species, wherein the target species is a symbiont of an adjoiner species; and
- (c) examining said exposures to determine for said identification whether members of the target species have been deleteriously affected by said exposures;

wherein steps (b) and (c) are executed in such large numbers when the test species is a symbiont of the adjoiner species that the ratio of execution of steps (b) and (c) when the test species is a symbiont of the adjoiner species relative to execution of steps (b) and (c) when the test species is not a symbiont of the adjoiner species is significantly higher than said ratio of execution according to the prior art.

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 A method according to Claim 1, 3, 5 or 6, further comprising the step of:
- (d) prior to step (a), identifying the test species as a symbiont of the given adjoiner species when the test species had not been known to be a symbiont of the given adjoiner species.

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- A method of identifying components of members of a test species that deleteriously affect members of a target species, comprising the steps of:
- (a) identifying the test species as a symbiont of a given adjoiner species when the test species had not been known to be a symbiont of the given adjoiner species;
- (b) separating at least one member of the test species into a plurality of components;
- (c) exposing at least some of said separated components of said member(s) of the test species separately to members of the target species, wherein the target species is a symbiont of the adjoiner species; and
- (d) examining said exposures to determine for said identification whether members of the target species have been deleteriously affected by said exposures.
 - 9. A method according to Claim 1, 3, 6 or 8, further comprising the step of:
- (e) prior to said separation step, exposing at least a component of the target species to at least one member of the test species.

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- 10. A method of identifying components of members of a test species that deleteriously affect members of a target species, comprising the steps of:
- (a) exposing at least a component of at least one member of the target species to at least one member of the test species;
- (b) subsequent to step (a), separating said exposed at least one member of the test species into a plurality of components;
- (c) exposing at least some of said separated components of said member(s) of the test species separately to members of the target species, wherein the target species is a symbiont of an adjoiner species and the test species is a symbiont of the adjoiner species; and
- (d) examining said exposures to determine for said identification whether members of the target species have been deleteriously affected by said exposures.
- A method of identifying components of members of test species that deleteriously affect members of a target species, comprising the steps of:
 - (a) separating at least one member of a test species into a plurality of components;
- (b) exposing at least some of said separated components of said member(s) of the test species separately to members of the target species, wherein the target species is a symbiont of an adjoiner species; and
- (c) examining said exposures to determine for said identification whether members of the target species have been deleteriously affected by said exposures;

wherein steps (a), (b) and (c) are executed methodically and systematically with a large number of test species that are traditional food sources of the adjoiner species.

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12: A method according to Claim 11, wherein step (a) is executed with such a large number of test species that are traditional food sources of the adjoiner species that the ratio of execution of step (a) when the test species are traditional food sources of the adjoiner species relative to execution of step (a) when the test species are not traditional food sources of the adjoiner species is significantly higher than said ratio of execution according to the prior art.

- 13. A method of identifying components of members of test species that deleteriously affect members of a target species, comprising the steps of:
 - (a) separating at least one member of a test species into a plurality of components;
- (b) exposing at least some of said separated components of said member(s) of the test species separately to members of the target species, wherein the target species is a symbiont of an adjoiner species; and
- (c) examining said exposures to determine for said identification whether members of the target species have been deleteriously affected by said exposures;

wherein step (a) is executed with such a large number of test species that are traditional food sources of the adjoiner species that the ratio of execution of step (a) when the test species are traditional food sources of the adjoiner species relative to execution of step (a) when the test species are not traditional food sources of the adjoiner species is significantly higher than said ratio of execution according to the prior art.

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14. A method according to Claim 17 or 13, wherein steps (b) and (c) are executed in such large numbers when the test species are traditional food sources of the adjoiner species that the ratio of execution of steps (b) and (c) when the test species are traditional food sources of the adjoiner species relative to execution of steps (b) and (c) when the test species are not traditional food sources of the adjoiner species is significantly higher than said ratio of execution according to the prior art.

- 15. A method of identifying components of members of test species that deleteriously affect members of a target species, comprising the steps of:
- (a) separating at least one member of each of a plurality of test species into a plurality of components;
- (b) exposing at least some of said separated components of said member(s) of the test species separately to members of the target species, wherein the target species is a symbiont of an adjoiner species; and
- (c) examining said exposures to determine for said identification whether members of the target species have been deleteriously affected by said exposures;

wherein steps (b) and (c) are executed in such large numbers when the test species are traditional food sources of the adjoiner species that the ratio of execution of steps (b) and (c) when the test species are traditional food sources of the adjoiner species relative to execution of steps (b) and (c) when the test species are not traditional food sources of the adjoiner species is significantly higher than said ratio of execution according to the prior art.

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- A method of identifying components of members of a test species that deleteriously affect members of a target species, comprising the steps of:
- (a) separating at least one member of the test species into a plurality of components;
- (b) exposing at least some of said separated components of said member(s) of the test species separately to members of the target species, wherein the target species is a symbiont of an adjoiner species; and
- (c) examining said exposures to determine for said identification whether members of the target species have been deleteriously affected by said exposures;

wherein steps (b) and (c) are executed in such large numbers when the test species is a traditional food source of the adjoiner species that the ratio of execution of steps (b) and (c) when the test species is a traditional food source of the adjoiner species relative to execution of steps (b) and (c) when the test species is not a traditional food source of the adjoiner species is significantly higher than said ratio of execution according to the prior art.

- 17. A method according to Claim 14, 13, 15 or 16, further comprising the step of:
- (d) prior to step (a), identifying the test species as a co-evolutionary food source of the given adjoiner species when the test species had not been known to be a co-evolutionary food source of the given adjoiner species.

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- 18. A method of identifying components of members of a test species that deleteriously affect members of a target species, comprising the steps of:
- (a) identifying the test species as a co-evolutionary food source of the given adjoiner species when the test species had not been known to be a co-evolutionary food source of the given adjoiner species;
- (b) separating at least one member of the test species into a plurality of components;
- (c) exposing at least some of said separated components of said member(s) of the test species separately to members of the target species, wherein the target species is a symbiont of the adjoiner species; and
- (d) examining said exposures to determine for said identification whether members of the target species have been deleteriously affected by said exposures.
 - 19. A method according to Claim 11, 13, 16 or 18, further comprising the step of:
- (e) prior to said separation step, exposing at least a component of the target species to at least one member of the test species.

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- A method of identifying components of members of a test species that deleteriously affect members of a target species, comprising the steps of:
- (a) exposing at least a component of at least one member of the target species to at least one member of the test species;
- (b) subsequent to step (a), separating said exposed at least one member of the test species into a plurality of components;
- (c) exposing at least some of said separated components of said member(s) of the test species separately to members of the target species, wherein the target species is a symbiont of an adjoiner species and the test species is a traditional food source of the adjoiner species; and
- (d) examining said exposures to determine for said identification whether members of the target species have been deleteriously affected by said exposures.
- 21. A method according to any of Claims 1, 3, 5, 6, 8, 10, 11, 13, 15, 16, 18 or 20, wherein the adjoiner species is the human species.
- 1 3 5 6 8 10 11 13 15 16 18 22. A method according to any of Claims 1, 3, 8, 8, 10, 11, 13, 15, 16, 18 or 20, wherein the adjoiner species has a near-human-species genetic composition.
- 23. A separated component of a member of a test species identified by the method of any of Claims 1, 3, 5, 8, 8, 10, 11, 13, 15, 16, 18 or 20 as deleteriously affecting members of a target species or an equivalent of said identified component.

- 24 affecting members of a target species and/or an equivalent of said identified component, comprising the step of:
- (e) exposing said identified component and/or an equivalent of said identified component to members of the target species that are residing in or on a member of the adjoiner species.
- 25. A method of manufacturing a product including a test-species component deleteriously affecting members of a target species and/or an equivalent of said identified component, comprising the step of:
 - (e) providing said component in bulk quantities.

26. A product manufactured according to the method of Claim 25,

27. A method according to Claim 25, further comprising the step of:

- (f) modifying the product to decrease any deleterious effect upon the adjoiner species caused by the identified component and/or said equivalent thereof.
 - 28. A product manufactured according to the method of Claim 29.
 - 29. A method according to Claim 25, further comprising the step of:
- (f) modifying the product to increase the deleterious effect upon the target species caused by the identified component and/or said equivalent thereof.
 - 30. A product manufactured according to the method of Claim 29

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31	:	A method	according	to	Claim	25,	wherein	step	(e)	comprises	separating	saic
componer	nt	in bulk qua	ntities from	n sa	id me	mbe	rs of said	l test s	spec	ies.		

- 32. A product manufactured according to the method of Claim 31.
- 33. A method according to Claim 25, wherein step (e) comprises synthesizing said component and/or an equivalent thereof in bulk quantities.
 - 34 33. A product manufactured according to the method of Claim 33.
- 35. A method of testing a product manufactured according to Claim 25, comprising the steps of:
 - (f) exposing said product to the adjoiner species or a member of a trial species; and
- (g) examining said exposure of step (f) to determine the extent of any deleterious effect upon the adjoiner species or the trial species respectively.
- 36. A method of testing a product manufactured according to Claim 25, comprising the steps of:
 - (f) exposing said product to the target species; and
- (g) examining said exposure of step (f) to determine the extent of the deleterious effect upon the target species.

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37 /0 20 37! A method according to Claim 10 or 20, further comprising the step of:

- (e) interposing a sufficient period of time between steps (a) and (b) to enable said exposed test species member(s) to react to said exposure of step (a).
- 38. A method according to Claims 1, 2, 8, 8, 10, 11, 13, 15, 16, 18, 20, 28. A method according to Claims 1, 2, 8, 8, 10, 11, 13, 15, 16, 18 or 20, wherein members of the test species at least in some aspect deleteriously affect members of the adjoiner species.
- 39. A method according to Claims 1, 3, 5, 6, 8, 10, 11, 13, 15, 16, 18 or 20, wherein members of the target species at least in some aspect deleteriously affect members of the adjoiner species.
- 1 3 5 6 8 10 11 13 15 16 18 20 40. A method according to Claims X, 3, 8, 6, 8, 40, 11, 13, 15, 16, 18 or 20; wherein during said step of exposing separated components of member(s) of said test species to members of the target species, said exposed members of the target species are isolated from the adjoiner species.